BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of RCC culvert & U shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli ward no.15

BBMP/2016-17/FP/WORK_INDENT22274

Operating Schedule B

Sl. No	Item Name	Unit	Estimate Quantity	Rates quoted by Smt K. Jayamma	
				Unit rate (in Rs.)	In words
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202 KSRRB M200- 15.2. -do- B. Rubble stone masonry in cement mortar with all leads and lifts as directed by the Engineer in charge of the work.	Cum	368.00	250.0	Rupees Two Hundred Fifty Only
2	Excavation of removal of silt mixed with sand, human excreta, garbage in slussy condition from Storm water drain in Bangalore City including disposing off the same as directed including cost of machinery labour, fuel etc., (By Manual Means) with all lead and lifts for disposing off to designated site as directed by the Engineer in charge of the work.	Cum	423.00	600.0	Rupees Six Hundred Only
2	Diversion of water course by providing coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc.,. complete beyond 1.50m depth upto & including 3m depth with all leads and lifts as directed by the Engineer in charge of the work.	Cum	96.60	320.0	Rupees Three Hundred Twenty Only
3	Excavation in marshy soil upto 3m depth for foundation of structures as per drawing and technical specifications, removing the excavated stuf to a lead of 15m, including dewatering, shoring, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. V. Marshy Soil - B Mechanical means as directed by the Engineer in charge of the work.	Cum	172.22	110.0	Rupees One Hundred Ten Only
4	KSRRB M2100-2.1 Earth work in excavation for foundation of structures such as culverts, bridges etc., as per drawing and technical specifications,including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications in Ordinary soil - B. Machanical Means (i) Depth upto 3m MORTH Specification No. 304 as directed by the Engineer in charge of the work	Cum	401.86	50.0	Rupees Fifty Only
5	KSSRB M2100-5.1 Earth work Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications as per MORTH specification No.304 . in Marshy soil upto 3m depth(By manual means)	Cum	325.07	400.0	Rupees Four Hundred Only

Contractor

Executive Engineer,
SWD-Dasarahalli

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6	KSSRB M2100-1.1 Earth work in Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per MORTH specification No.304 B. in Ordinary soil upto 3m depth(By manual means) as directed by the Engineer in charge of the work.	Cum	773.71	100.0	Rupees One Hundred Only
7	Providing and filling in foundation with Granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming,watering, including cost of all materials and labour with all lead and lift.complete as per specifications with all leads and lifts as directed by the Engineer in charge of the work.	Cum	119.01	2000.0	Rupees Two Thousand Only
8	KSRB 2.8 : Providing and Filling in foundation with granite I trap broken metal 100mm (available boulders obtained from dismantaling of masonary including charges for breaking into pieces) and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.specification. No. KBS with all leads and lifts as directed by the Engineer in charge of the work.	Cum	220.80	1200.0	Rupees One Thousand Two Hundred Only
9	KSRRB M2100-10 - Plain Cement Concrete M10 with OPC cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 Cum and fine aggregates @ 0.56Cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	161.33	5800.0	Rupees Five Thousand Eight Hundred Only
10	KSRRB M 2100-17.2 : Plain/reinforcement Cement Concrete design mix M25 with OPC cement @340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70Cum and fine aggregates @0.47Cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump. MORTH Specification No. 1500, 1700 & 2100 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	351.54	5800.0	Rupees Five Thousand Eight Hundred Only
11	KSRRB M 2200-5.12 : Design mix M25 sub structure with OPC cement @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7Cum and fine aggregates @0.47Cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 upto 5 mtrs. Upto 5 Mtrs height with all leads and lifts as directed by the Engineer in charge of the work.	Cum	145.53	6800.0	Rupees Six Thousand Eight Hundred Only
12	KSRRB M2300-4.1 Furnishing and placing reinforced/ prestressed Cement Concrete in Superstructure as per drawing and Technical Specification complete as per specification RCC with OPC cement design mix M-25 @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47cum, with superplastisisers @3lts confirming to IS9103-1999 Reaffirmed-2008 height upto 5 mtrs with Batching Plant, Transite Mixer and Concrete Pump . MORTH specification No 1500, 1600 & 1700 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	1.05	7000.0	Rupees Seven Thousand Only
13	Supplying,fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 with all leads and lifts as directed by the Engineer in charge of the work.	MT	44.74	48000.0	Rupees FourtyEight Thousand Only

	Item Name	Unit	Estimate Quantity	Rates quoted by Smt K. Jayamma	
				Unit rate (in Rs.)	In words
	...ying,fitting and placing TMT bar reinforcement in super-structure complete as per drawing and ...hnical specifications complete as per specifications. TMT Bars Fe 500 with all leads and lifts as ...ected by the Engineer in charge of the work.	MT	0.12	50000.0	Rupees Fifty Thousand Only
15	PVC pipes 2.50kg/sqm 110mm outerdia with all leads and lifts as directed by the Engineer in charge of the work.	Rmt	139.80	160.0	Rupees One Hundred Sixty Only
16	KSRRB M2200.9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications with,all lead and lifts, etc., after breaking of clods complete as per specifications and as per direction of Engineer in-charge.page no 229/28.13 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	207.90	1200.0	Rupees One Thousand Two Hundred Only
17	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications with all leads and lifts as directed by the Engineer in charge of the work.	Cum	207.90	120.0	Rupees One Hundred Twenty Only
18	KSRRB M100-1 Collecting, Conveying and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum to designated dumping site with all leads and lifts as directed by the Engineer in charge of the work.	Cum	1612.17	100.0	Rupees One Hundred Only
19	KSRB 4-1.5 : Providing and laying in position plain Cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 with all leads and lifts as directed by the Engineer in charge of the work.	Cum	12.15	5500.0	Rupees Five Thousand Five Hundred Only
20	Supplying and fixing MS. Rectangular poles made out of 2 equal angles of 65x65~6m m welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 crns. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete).	Rmt	300.00	900.0	Rupees Nine Hundred Only
21	Providing and fixing MS block pipe of 38mm dia of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint	Rmt	1500.00	300.0	Rupees Three Hundred Only
22	Providing chain link fencing 50 mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm	750.00	500.0	Rupees Five Hundred Only

Contractor Jayaaaaa.K.

Executive Engineer,
SWD-Dasarahalli

Agreement No: EE/SW...
Name of the ...

Sl. No	Item Name	Unit	Estimate Quantity	Rates quoted by Smt K. Jayamma	
				Unit rate (in Rs.)	In words
23	Providing and fixing 50mm diameter and 750mm long perforated GI pressure relief pipe with one end closed by perforated GI plate and other end provided with alluminium lid hinged to pipe including cost of all materials,labour, drilling 4mm dia holes etc., Complete with all leads and lifts as directed by the Engineer in charge of the work	Nos	15.00	400.0	Rupees Four Hundred Only
24	WRD Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc, Complete with all leads and lifts as directed by the Engineer in charge of the work	Rmt	237.00	100.0	Rupees One Hundred Only

Contractor

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